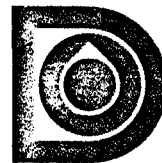


DAVIS OIL COMPANY

410 - 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



October 9, 1979

Mr. Jerry Long  
U. S. G. S.  
Oil and Gas Division  
701 Camino Del Rio  
Federal Building  
Durango, Co. 81301

Re: #1 KD Federal  
SE SW Sec. 10-T40S-R22E  
San Juan County, Utah

Dear Mr. Long:

Enclosed please find for your approval, an original and two copies of the Application for Permit to Drill, together with three copies of the Staking Plat covering the drilling of the captioned proposed test. You will also find enclosed for your files, three copies of the Designation of Operator from William C. Kirkwood.

By carbon copy of this letter to Mr. Cleon B. Feight, we are furnishing him with a copy of our application and plat.

Your early attention to the approval of said application will be appreciated.

Very truly yours,

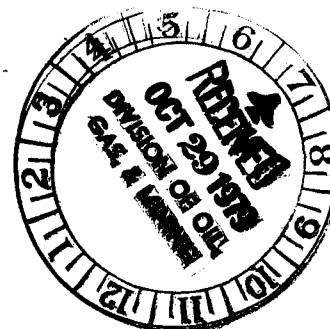
DAVIS OIL COMPANY

*Florence Dufour*  
Florence Dufour  
Geological Secretary

/fd

Enclosures

cc: ✓ Mr. Cleon B. Feight  
Department of Natural Resources  
Division of Oil and Gas  
1588 W. North Temple  
Salt Lake City, Utah 84116



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 41695		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---		
2. NAME OF OPERATOR Davis Oil Company		7. UNIT AGREEMENT NAME ---		
3. ADDRESS OF OPERATOR 410 Seventeenth Street - Denver, Co. 80202		8. FARM OR LEASE NAME K D Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface SE SW Sec. 10-T40S-R22E 1800' FWL & 660' FSL At proposed prod. zone 1906 547		9. WELL NO. #1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 Miles SW of Bluff, Wyoming		10. FIELD AND FOOT OR WILDCAT Broken Hills		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660' S	16. NO. OF ACRES IN LEASE 120	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 10-T40S-R22E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH 5925' Desert Creek	12. COUNTY OR PARISH San Juan		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4835' GR Est.	17. NO. OF ACRES ASSIGNED TO THIS WELL	13. STATE Utah		
22. APPROX. DATE WORK WILL START* on approval				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#, K55, STC, New,	0-350'	200 sxs. Est.
7 7/8"	5 1/2"	15.5#, K55, LTC, New,	0-5925'	300 sxs. Est.

(SEE TEN POINT PROGRAM)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Eugene Sungy

TITLE

Geologist

DATE

October 9, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

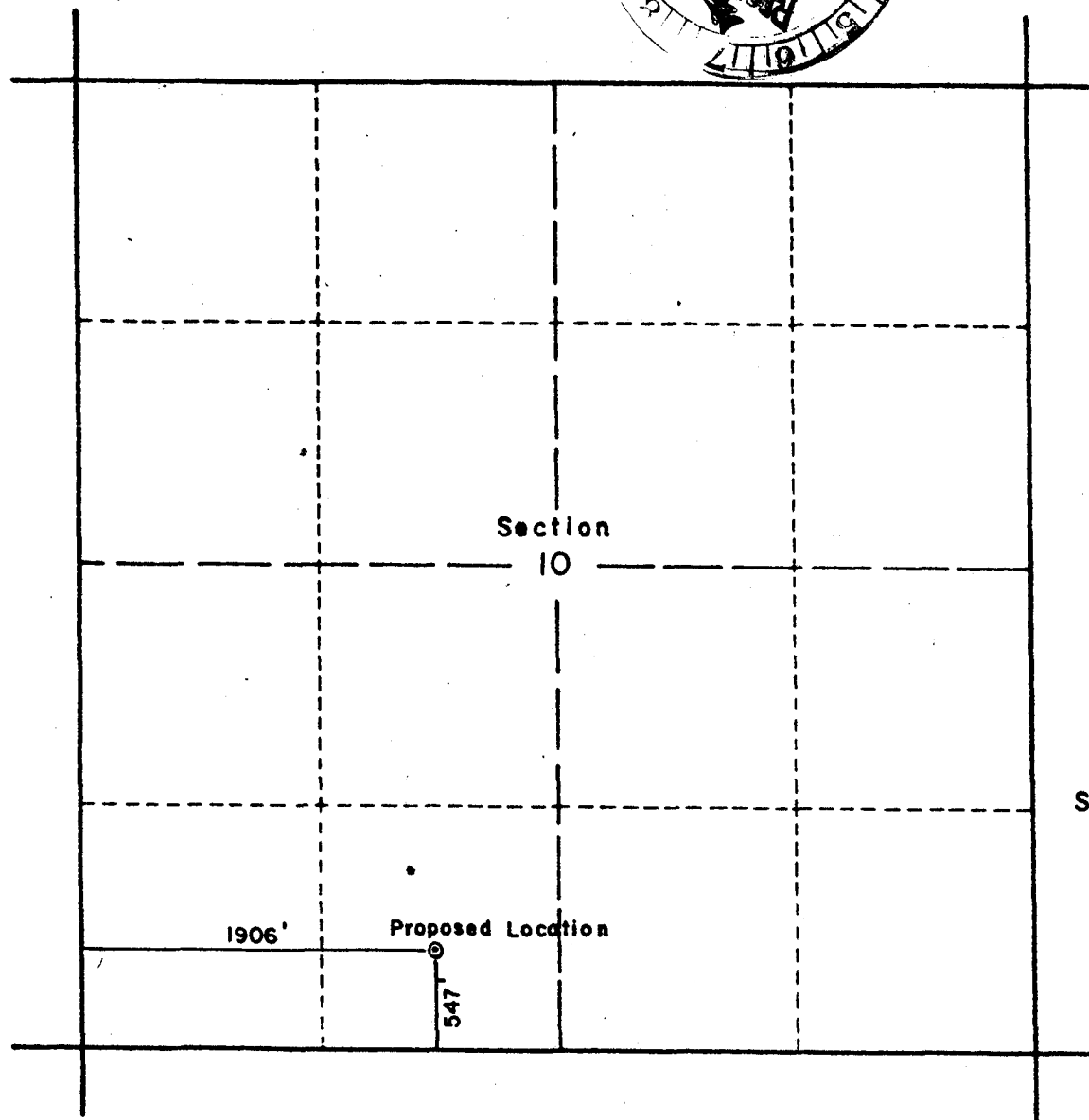
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



*Deepen  
flow*



**WELL LOCATION: DAVIS OIL COMPANY K.D. FEDERAL NO. 1**

Located 547 feet North of the South line and 1906 feet East of the West line of Section 10  
Township 40 South Range 22 East Salt Lake Base & Meridian  
San Juan Co., Utah  
Existing ground elevation determined at 4835 feet based on Adjacent Locations

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*  
**FREDERICK H. REED**  
Registered Land Surveyor



<b>DAVIS OIL COMPANY</b> Rock Springs, Wyoming	
<b>WELL LOCATION PLAT</b> K.D. Federal No. 1 Sec. 10, T40S, R22 E San Juan Co., Utah	
<b>CLARK-REED &amp; ASSOC.</b> Durango, Colorado	<b>DATE: OCT. 19, 1979</b> <b>FILE NO: 70000</b>

TEN POINT PROGRAM

- 1) SURFACE FORMATION: Morrison.
- 2 & 3) ESTIMATED TOPS: (Water, Oil, Gas or Mineral bearing formations)

Morrison	Surface	
Navajo ss	800'	Brackish water.
Kayenta	1270'	No porosity - tite.
Wingate ss	1380'	Brackish water.
Chinle Fm.	1759'	No porosity - tite.
Shinarump	2510'	No porosity - tite.
De Chelly	2810'	Saltwater
Honaker Trail	3812'	Salter were porous.
Ismay	5592'	Possible oil productive.
Lower Ismay	5702'	Possible oil productive.
Desert Creek	5812'	Possible oil productive.
Total Depth	5925'	

- 4) CASING PROGRAM: 12 1/4", 8 5/8", 24#, K55, STC, New, 0-350', 200 sxs. Est.  
7 7/8", 5 1/2", 15.5#, K55, LTC, New, 0-5925', 300 sxs. Est.
- 5) PRESSURE CONTROL EQUIPMENT: (See attached schematic diagram) BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing and the will be checked daily as to mechanical operating condition.
- 6) MUD PROGRAM: 0-350' Spud Mud  
350-2000' Treated Water  
2000-5925' LSND, 9.0-9.5 ppg (Mud wt. as required to control formation pressure) Vis 26-45, Less 25 cc WL, pH 9-11.
- Sufficient mud materials to maintain mud properties and to control minor lost circulation and blowout problems shall be maintained to wellsite.
- 7) AUXILLIARY EQUIPMENT:
- 1) Kelly Cock:
  - 2) Drill Pipe Float (Except for lost circulation drilling conditions)
  - 3) Monitoring of Mud System will be visual unless otherwise specified.
  - 4) A sub on the floor with a full opening valve to be stabbed into drill pipe when Kelly is not in the string.
- 8) LOGGING: Dual Induction - SFL from base of surface casing to total depth.  
Compensated Neutron-Formation Density over zones of interest.  
Borehole Compensated Sonic Log from base of surface casing to total depth.

CORING: No cores.

TESTING: Possible DST of Lower Ismay.

STIMULATION: Desert Creek - approx. 40,000 gal 28% Hcl.

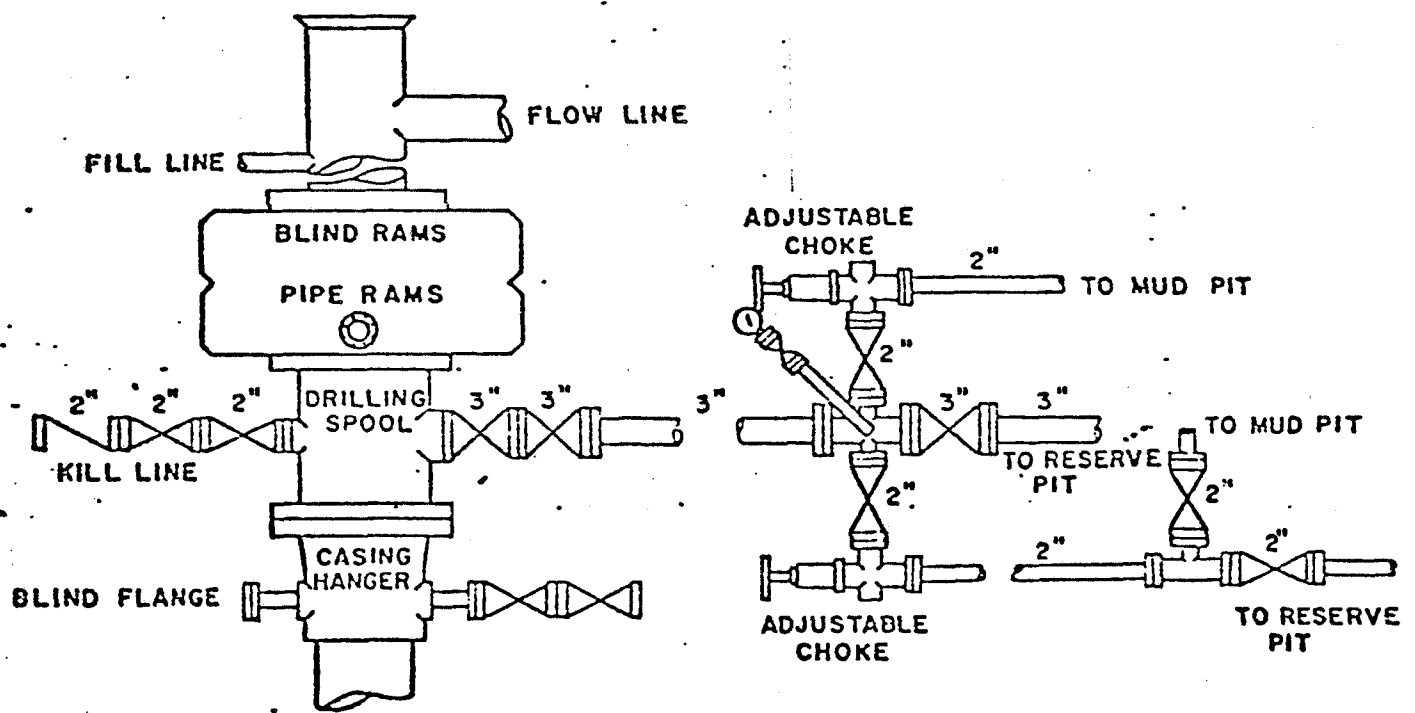
Actual volume of treatment will be dependent upon thickness of pay and evaluation of zone of interest.

- 9) ABNORMAL PRESSURE: This firm does not anticipate any abnormal pressures or temperatures or any other hazards. This is based on previous geologic data from nearby wells.

ESTIMATED BOTTOMHOLE PRESSURE: 3500 psi

10) ANTICIPATED STARTING DATE: Within 30 to 45 days from date of Government approval.

DURATION OF OPERATION: 20-30 days Four Corners

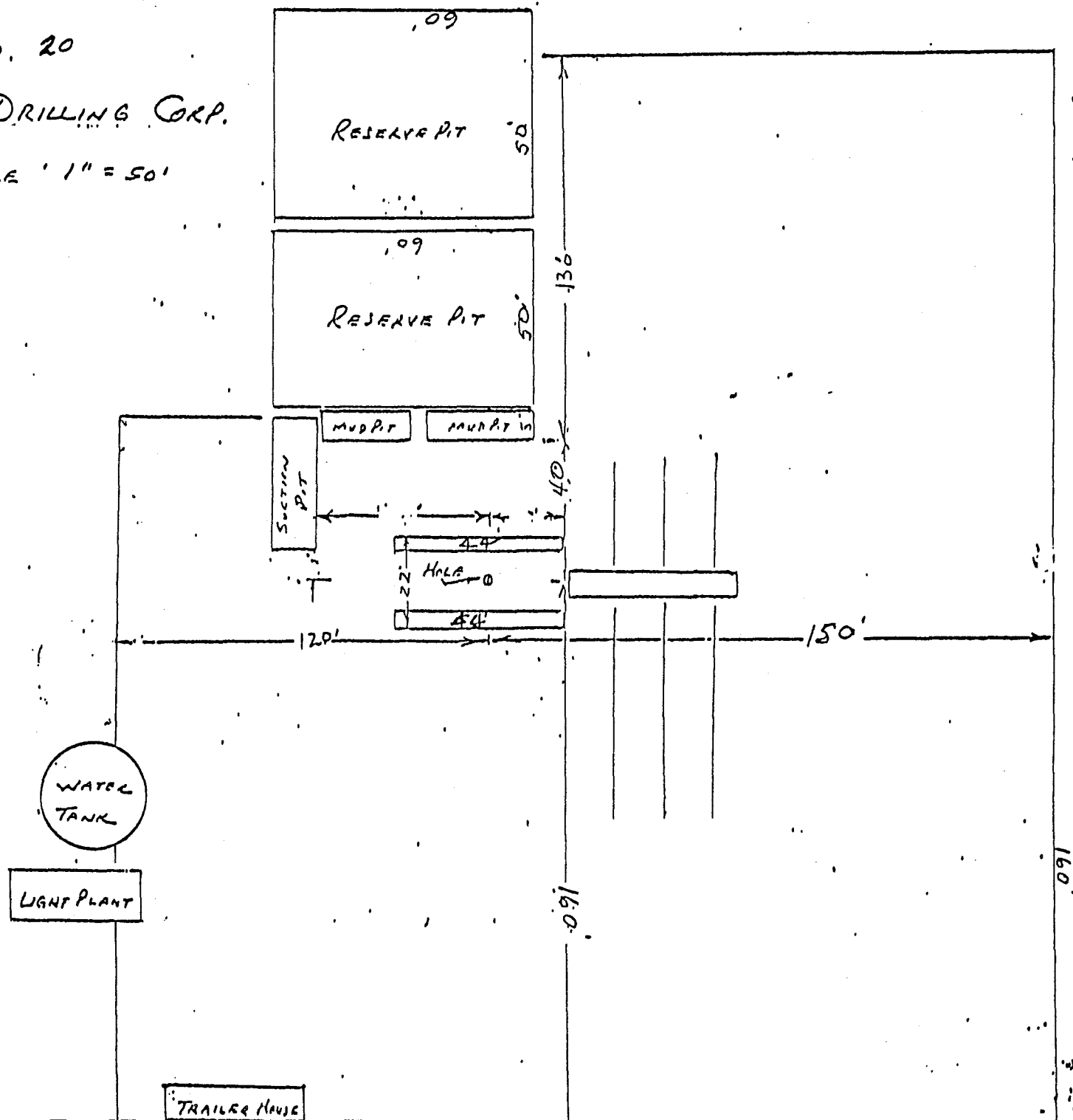


12" 900 Series Shaffer type 48

RIG. No. 20

CACTUS DRILLING CORP.

APPROX SCALE ' 1" = 50'



\*\* FILE NOTATIONS \*\*

DATE: November 1, 1979

Operator: Davis Oil Company

Well No: K D Federal #1

Location: Sec. 10 T. 40S R. 22E County: San Juan

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-037-30515

CHECKED BY:

Geological Engineer: \_\_\_\_\_

Petroleum Engineer: \_\_\_\_\_

Director: J

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 185-1 10/24/79

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 3d

Plotted on Map ☒

Approval Letter Written ☒

Wm

#3

hl  
PL



November 1, 1979

Davis Oil Company  
410 17th Street  
Denver, Colorado 80202

Re: Well No. K D Federal #1  
Sec. 10, R. 40S, R. 22E.,  
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued In Cause No. 185-1 dated October 28, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30515.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/b:tm

cc: USGS



## ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

February 14, 1980

DAVIS OIL CO.  
410 17th STREET, SUITE 1400  
DENVER, COLORADO 80202

Gentlemen:

Enclosed is the final log on #1 K.D. Federal well, located in  
SESW SEC. 10, T40S, R22E, San Juan County, Utah, which our  
logging unit just completed.

We have appreciated the opportunity of serving you. If we can  
be of any assistance in the final evaluation of zones encountered,  
please feel free to call on us.

Sincerely,

Lana Lackey Fergeson  
Assistant Manager

LLF/11f

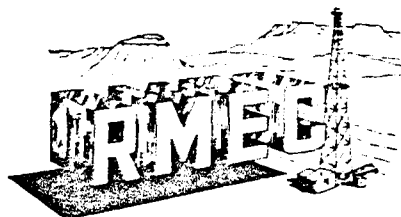
Enc: 1 log

XXC: Sinclair Oil, Denver, Colo., 2 logs  
William C. Kirkwood, Casper, Wyoming, 1 log  
ENI Exploration, Bellevue, Washington, 1 log  
R.F. Bailey, Midland, Texas, 1 log  
Carl Barrick, USGS, 2 logs  
Bonnie Melendez, Utah State Oil & Gas Comm., 2 logs

**RECEIVED**

FEB 19 1980

DIVISION OF  
OIL, GAS & MINING



# ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

February 14, 1980

DAVIS OIL CO.  
410 17th STREET, SUITE 1400  
DENVER, COLORADO 80202

Gentlemen:

Enclosed is the final log on #1 K.D. Federal well, located in  
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We have appreciated the opportunity of serving you. If we can  
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Sincerely,

Lana Lackey Fergeson  
Assistant Manager

LLF/11f

Enc: 1 log

XXC: Sinclair Oil, Denver, Colo., 2 logs

William C. Kirkwood, Casper, Wyoming, 1 log

ENI Exploration, Bellevue, Washington, 1 log

R.F. Bailey, Midland, Texas, 1 log

Carl Barrick, USGS, 2 logs

Bonnie Melendez, Utah State Oil & Gas Comm., 2 logs

**RECEIVED**

FEB 19 1980

DIVISION OF  
OIL, GAS & MINING

ELEVATION: 4835 KB

SECTION: 10

RIG

#

LOCATION: SE SW Sec 10, T40S, R 22E

T.D. DATE 2-12-80

[illegible]

DAVIS OIL COMPANY

110 -- 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



February 18, 1980

Mr. Carl Barrick  
U. S. G. S.  
Federal Bldg. 701  
Camino Del Rio, Durango 80301

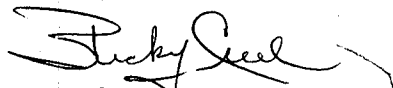
Re: #1 K.D. Federal  
SE SW Sec. 10 T40S-R22E  
San Juan County, Utah

Dear Mr. Barrick:

Enclosed please find for your approval, an original and two copies  
of the Notice of Intention to Abandon on the above captioned well.

Very truly yours,

DAVIS OIL COMPANY

  
Becky Creel  
Geological Secretary

/bc

Enclosures

✓ cc: Utah Oil & Gas Commission

**RECEIVED**

FEB 21 1980

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐ DRY HOLE

2. NAME OF OPERATOR  
Davis Oil Company

3. ADDRESS OF OPERATOR  
410 Seventeenth Street, Suite 1400, Denver, Co

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SE SW Sec. 10 T40S-R22E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1906' FWL & 547' FSL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☒  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per verbal instructions by the U.S.G.S., the subject well will be plugged as follows:

29 sxs. 6005-5905'  
29 sxs. 5780-5680'  
29 sxs. 4594-4494'  
29 sxs. 3470-3370' Drilling mud between plugs.  
29 sxs. 1630-1530'  
29 sxs. 710-610'  
29 sxs. 400' up in casing

The location will be cleared and leveled off, pits backfilled and a regulation dry hole marker will be erected. No significant shows were encountered.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ed Lafaye TITLE Chief Geologist DATE \_\_\_\_\_

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB 21 1980

DIVISION OF  
OIL, GAS & MINING

DAVIS OIL COMPANY

410 - 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



February 22, 1980

Mr. Carl Barrick  
U. S. G. S.  
Federal Bldg. 701  
Camino Del Rio  
Durango, Colo. 80301

Re: #1 K.D. Federal  
SE SW Sec. 10 T40S-R22E  
San Juan, Utah

Dear Mr. Barrick:

Enclosed please find for your approval, an original and two copies of the Subsequent Report of Abandonment on the above captioned well.

You will also find enclosed for your files, an original and one copy of the Well Completion Report and two copies of the Geological Report.

Your early attention to the approval of said Subsequent Report of Abandonment will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Becky Creel  
Geological Secretary

/bc.

Enclosures

cc: Utah Oil & Gas Commission

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☒ DRY HOLE

2. NAME OF OPERATOR  
Davis Oil Company

3. ADDRESS OF OPERATOR  
410 Seventeenth Street, Suite 1400, Denver, Co

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SE SW Sec. 10 T40S-R22E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1906' FWL & 547' FSL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE  
U-41695

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
K.D. Federal

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 10 T40S-R22E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4835' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per verbal instructions by the U. S. G. S., the subject well has been plugged as follows.

29 sxs. 6005-5905'	
29 sxs. 5780-5680'	
29 sxs. 4594-4494'	
29 sxs. 3470-3370'	Drilling mud between plugs.
29 sxs. 1630-1530'	
29 sxs. 710- 610'	
29 sxs. 400' up in casing	

However, no reclamation has been accomplished. Your office will be notified when the location is ready for inspection. No significant shows were encountered.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ed Lafave TITLE Chief Geologist DATE 2-22-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



GEOLOGICAL REPORT  
DAVIS OIL COMPANY  
#1-KD FEDERAL  
SAN JUAN COUNTY, UTAH

**RECEIVED**

FEB 25 1980

DIVISION OF  
OIL, GAS & MINING

Certified Professional  
Geologist

STRICKCO  
GEOLOGICAL ENGINEERING COMPANY  
PHONE (505) 325-5496  
FARMINGTON, NEW MEXICO 87401

Reply To:  
1120 Acoma Place

This well ran 16' low to the #1 Nathan Fee in NW/NE Section 16, T40S-R22E, San Juan County, Utah, using the base of the Lower Ismay as a structural reference point and a K.B. elevation of 4846'.

The well was evaluated by: (1) a geologist in the field, (2) a mud logging unit, (3) one drill stem test, and (4) electrical surveys. All data indicate the well to be nonproductive of hydrocarbon.

A drill stem test was run in the Upper Ismay from 5706'-5726', based on a 28 unit deflection on the hotwire and traces of C<sub>1</sub> thru C<sub>4</sub> on the chromatograph. The recovery was 26' of drilling mud with very low pressures.

There were several shows on the instruments but no show in the samples. These gas shows came in at the following intervals: 5410', 5730', 5765', 5790', 5825', 5840', 5850', 5865', and 5958'. Those depths are drillers depths and are not even close to wire line depths. Also, the rig experienced continual pump trouble thru these intervals and the hole stood dead for 45 minutes to 1 hour at each entry.

Schlumberger ran the following electrical surveys: Dual Induction, Compensated Neutron Formation Density, and Borehole Compensated Sonic Log.

\* This well was P & A on February 13, 1980.

DRILL STEM TEST DATA - Halliburton Testers

D.S.T. #1: 5706'-5726' (20') Upper Ismay

TOP CHART

I.H.H.	:	2837	
I.F.P.	:	13.5-13.5	15"
I.S.I.P.	:	27	90"
F.F.P.	:	27-27	60"
F.S.I.P.	:	27	180"
F.H.H.	:	3326	

BOTTOM CHART

I.H.H.	:	2876	
I.F.P.	:	27-27	15"
I.S.I.P.	:	40	90"
F.F.P.	:	81-27	60"
F.S.I.P.	:	27	180"
F.H.H.	:	3039	

B.H.T. : 120°F.

Recovered 26' drilling mud and 2000 cc drilling mud in bottom hole sampler.

FORMATION TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Structural Datum</u>
Navajo	762'	+4073
Wingate	1382'	+3453
Chinle	1682'	+3153
Shinarump	2595'	+2306
DeChelly	2770'	+2065
Cutler	3518'	+1317
Honaker Trail	7640'	+ 195
Ismay	5668'	- 833
Lower Ismay	5782'	- 947
Base/Lower Ismay	5824'	- 989*
Desert Creek	5870'	-1035
Akah	6006'	-1171
Total Depth	6055'	-1220

\*Structural Control Datum

ELECTRICAL SURVEY VALUES:ISMAY

Average Porosity	4%
Average Resistivity	1000 ohms
Average S.P.	30 MV
Average Gamma Ray	30 API Units
Density/Neutron Inversions	24 feet

LOWER ISMAY

Average Porosity	6%
Average Resistivity	700 ohms
Average S.P.	20 MV
Average Gamma Ray	25 API Units
Density/Neutron Inversions	6 feet

DESERT CREEK

Average Porosity	8%
Average Resistivity	70 ohms
Average S.P.	40 MV
Average Gamma Ray	30 API Units
Density/Neutron Inversions	12 feet

DAVIS OIL COMPANY

410 - 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



February 22, 1980

Mr. Carl Barrick  
U. S. G. S.  
Federal Bldg. 701  
Camino Del Rio  
Durango, Colo. 80301

Re: #1 K.D. Federal  
SE SW Sec. 10 T40S-R22E  
San Juan, Utah

Dear Mr. Barrick:

Enclosed please find for your approval, an original and two copies of the Subsequent Report of Abandonment on the above captioned well.

You will also find enclosed for your files, an original and one copy of the Well Completion Report and two copies of the Geological Report.

Your early attention to the approval of said Subsequent Report of Abandonment will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Becky Creel  
Geological Secretary

/bc

Enclosures

✓cc: Utah Oil & Gas Commission

**RECEIVED**

FEB 25 1980

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R3553.

14

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

## b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Dry Hole

2. NAME OF OPERATOR

Davis Oil Company

3. ADDRESS OF OPERATOR

410 Seventeenth Street, Suite 1400, Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

At top prod. interval reported below SE SW Sec. 10 T40S-R22EAt total depth 1906' FWL & 547' FSL

14. PERMIT NO.

DATE ISSUED

-30515

12. COUNTY OR

PARISH

San Juan

13. STATE

Utah

15. DATE SPUNDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

1-23-80P&A'd 2-13-804835' GR 4846' KB

20. TOTAL DEPTH, MD &amp; TVD

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

6038'Surface to TP

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL  
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

33.\*

## PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or  
shut-in)P&A'd

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR  
TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED  
24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Subsequent Report of Abandonment and Geological Report

FEB 25 1980

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

DIVISION OF

OIL, GAS &amp; MINING

DATE 2-22-80

SIGNED

Ed Lafaye

TITLE

Chief Geologist

(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (well logs, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 16: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION		TOP	BOTTOM	NAME	DEPTH	TRUE VERT. DEPTH
DST #1 5706-5726' (20')			Upper Ismay			
<b>TOP CHART</b>						
I.H.H.	2837			Navajo	762'	
I.F.P.	13.5-13.5	15"		Wingate	1382'	
I.S.I.P.	27	90"		Chinle	1682'	
F.F.P.	27-27	60"		Shinarump	2595'	
F.S.I.P.	27	180"		DeChelly	2770'	
F.H.H.	3326			Cutler	3518'	
<b>BOTTOM CHART</b>						
I.H.H.	2876			Honaker Trail	7640'	
I.F.P.	27-27	15"		Ismay	5668'	
I.S.I.P.	40	90"		Lower Ismay	5782'	
F.F.P.	81-27	60"		Base/Lower Ismay	5824'	
F.S.I.P.	27	180"		Desert Creek	5870'	
F.H.H.	3039			Alakah	6006'	
B.H.T.	1200'			Total Depth	6055'	
Recovered 20' Drilling mud and 2000 cc Drilling mud in bottom hole sampler						



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ DRY HOLE  
2. NAME OF OPERATOR  
Davis Oil Company  
3. ADDRESS OF OPERATOR  
410 Seventeenth Street, Suite 1400, Denver, Co  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SE SW Sec. 10 T40S-R22E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1906' FWL & 547' FSL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)  
APPROVED BY THE DIVISION  
OF OIL, GAS, & MINING

DATE: NOT APPROVED  
BY: NOT APPROVED

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per verbal instructions by the U. S. G. S., the subject well has been plugged as follows.

29 sx. 6005-5905'  
29 sx. 5780-5680'  
29 sx. 4594-4494'  
29 sx. 3470-3370'  
29 sx. 1630-1530'  
29 sx. 710- 610'  
29 sx. 400' up in casing  
Drilling mud between plugs.

RECEIVED

FEB 25 1980

DIVISION OF  
OIL, GAS & MINING

However, no reclamation has been accomplished. Your office will be notified when the location is ready for inspection. No significant shows were encountered.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ed Lafaye TITLE Chief Geologist DATE 2-22-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

SCOTT M. MATHESON  
Governor

COPY



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

CLEON B. FEIGHT  
Director

March 13, 1980

Davis Oil Company  
410 17th Street, Suite 1400  
Denver, Colorado 80202

Re: Well No. K.D. Federal #1  
Sec. 10, T. 40S, R. 22E.,  
San Juan County, Utah

Gentlemen:

The above referenced well appears to have been plugged and abandoned/plugged back without receiving the approval of this Division. Rule D-1, General Rules and Regulations and Rules of Practice and Procedure, "Notice of Intention to Plug and Abandon--Methods and Procedure," requires that:

(a) Before operations are commenced to plug and abandon any well drilled for the discovery of oil or gas, including any well drilled below the fresh water level, the owner or operator thereof shall give notice to the Commission of the intention to so plug and abandon such well and have the same approved. Said notice shall contain, among other things, the location of the well and when such plugging operations will commence. The notice shall be upon a form prescribed by the Commission, and shall contain all of the information requested thereon; provided however, that in cases of emergency the operator may obtain oral or telegraphic approval to plug and abandon, and of the method of plugging and abandoning the well. Within five (5) days after receiving oral or telegraphic approval, the operator shall file written notice as provided above.

(b) A dry or abandoned well must be plugged so that oil, gas, water or other substance will not migrate through the well bore from one formation to another. Unless a different method and procedure shall be approved by the Commission, the method and procedure for plugging the well shall be as follows:

- (1) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and a cement plug not less than one hundred (100) feet in length shall be placed immediately above each producing formation open to the well bore.
- (2) A solid cement plug shall be placed from fifty (50) feet below a fresh water zone, or a 100-foot cement plug shall be centered across the top of the fresh water zone.
- (3) At least ten sacks of cement shall be placed at the surface so as to completely plug and entire hole. If more than one string of casing remains at the surface, all annuli shall be so cemented.
- (4) The interval between plugs shall be filled with heavy mud-laden fluid.
- (5) The hole shall be plugged with heavy mud up to the base of the surface string, at which point a plug of not less than fifty (50) feet of cement shall be placed.
- (6) Any perforated interval shall be plugged with cement and any open-hole porosity zone shall be adequately isolated to prevent migration of fluids.
- (7) A cement plug not less than one hundred (100) feet in length shall be centered across the casing stub if any casing is cut and pulled.

If a different rule of plugging is required under a Federal lease, it will be accepted by the Commission.

Rule D-2, "Report of Abandonment and Plugging states:

Within thirty (30) days after the plugging of any well has been accomplished, the owner or operator thereof shall file a plugging report with the Commission. The report shall give a detailed account of the manner in which the plugging work was carried out, including the nature and quantities of materials used in plugging, and the location and extent (by depths) of the plugs of different materials; records of any tests or measurements made and the amount, size and location (by depths) of casing left in the well; and statement of the volume of mud fluid used. If any attempt was made to part any casing, a complete report of the method used and results obtained must be included.

Davis Oil Company  
Page 3  
March 13, 1980

In the future, please obtain State approval prior to the commencement of plugging operations. Please submit a detailed account of the plugging operations on the above referenced well as outlined in Rule D-2.

Your cooperation in correcting this oversight as soon as possible will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

*M.T. Minder*

Michael T. Minder  
Geological Engineer

MTM:btm

cc

DAVIS OIL COMPANY

410 - 17TH STREET, SUITE 1400  
DENVER, COLORADO 80202  
TELEPHONE: 303-623-1000

NEW YORK  
NEW ORLEANS  
HOUSTON  
TULSA



March 18, 1980

**RECEIVED**

**MAR 20 1980**

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

*PAT*  
**DIVISION OF  
OIL, GAS & MINING**

Re: #1 K.D. Federal  
SE SW Sec. 10 T40S-R22E  
San Juan County, Utah

Gentlemen:

Enclosed please find for your files, your requested number of copies of the Notice of Intention to Abandon, Subsequent Report of Abandonment, Well Completion Report and Geological Report on the above captioned well.

In reference to your letter dated March 13, 1980 all forms were sent to your office February 22, 1980, see attached letter.

This should complete your files on this well, however, should you have need of any additional information, please feel free to contact me.

Very truly yours,

DAVIS OIL COMPANY

Becky Creel  
Geological Secretary

/bc

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ DRY HOLE

2. NAME OF OPERATOR  
Davis Oil Company

3. ADDRESS OF OPERATOR  
410 Seventeenth Street, Suite 1400, Denver, Co

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SE SW Sec. 10 T40S-R22E  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 1906' FWL & 547' FSL

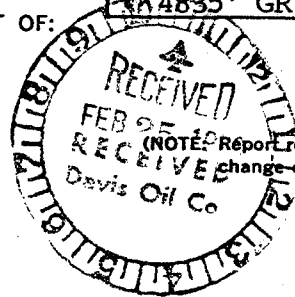
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☒  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐



5. LEASE

U-41695

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
K.D. Federal

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 10 T40S-R22E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4835' GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

As per verbal instructions by the U.S.G.S., the subject well will be plugged as follows:

29 sxs. 6005-5905'  
29 sxs. 5780-5680' 5780-5880  
29 sxs. 4594-4494' 4590-4650  
29 sxs. 3470-3370' Drilling mud between plugs.  
29 sxs. 1630-1530' 3470-3570  
29 sxs. 710-610' 1630-1730  
29 sxs. 400' up in casing 710-810  
300-400

The location will be cleared and leveled off, pits backfilled and a regulation dry hole marker will be erected. No significant shows were encountered.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ed Lafaye TITLE Chief Geologist DATE 2-1-80

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

FEB 21 1980  
CARL A. BARRICK  
ACTING DISTRICT ENGINEER

\*See Instructions on Reverse Side

RECEIVED

MAR 20 1980

DIVISION OF  
OIL, GAS & MINING

U. S. GEOLOGICAL SURVEY  
DENVER, COLO.

FILE IN TRIPLICATE  
FORM OGC-8-X

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

\*\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*\*

Well Name & Number K. D. FEDERAL #1  
Operator Davis Oil Company Address 1424 Tenth Street Rock Springs, Wyo.  
Contractor Cactus Address Farmington, N. M.  
Location SE 1/4 SW 1/4 Sec. 10 T. 40 R. 22 County San Juan

Water Sands No fresh water pressure

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	5830	Desert Creek	W.B. 4000'	Salt
2.	5690	Ismay		Salt
3.				
4.				
5.				

(Continue on reverse side if necessary)

<u>Formation Tops</u>	Navajo S&S	762	DeChelly	2770
	Kayenta	1230	Honakee Trail	4640
	Wingate	1328	Ismay upper	5581
	Chinle	1682	Lower Ismay	5690
	Shinarump	2595	Desert Creek	5830
			T.D.	5950'

Remarks

jw

RECEIVED

JUN 2 1980

DIVISION OF  
OIL, GAS & MINING

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.  
(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.